Enclosed:

United States Patent and Trademark Office Commissioner for Patents, Box PCT United States Patent and Trademark Office Washington, D.C. 20231 ATTY. DOCKET NO. FIRST NAMED APPLICANT U.S. APPLICATION NO. DEFEZ 09/831577 INTERNATIONAL APPLICATION NO. PCT/IT99/00355 SAMUELS GAUTHIER & STEVENS 225 FRANKLIN STREET SUITE 3300 PRIORITY DATE I.A. FILING DATE BOSTON, MA 02110 09 NOV 98 08 NOV 99 19 JUN 2001 DATE MAILED NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) 1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark a Designated Office (37 CFR 1.494) an Elected Office (37 CFR 1.495): Translation of the international application into English. ☐ Indication of Small Entity Status. U.S. Basic National Fee.  $\overline{|x|}$  Copy of the international application. Translation of Article 19 amendments into English. Oath or Declaration of inventors(s). JUN 22 2001 Copy of Article 19 amendments. Other: Priority Document. James Conthies The International Preliminary Examination Report in English and its Annexes, if any Translation of Annexes to the International Preliminary Examination Report into English. 2. 🗷 Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and/or the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be filed prior to 20 or 30 months from the priority date to avoid abandonment. Copy of the international application. U.S. Basic National Fee. 3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371: a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date. The current translation is defective for the reasons indicated on the attached Notice of Defective b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)). [X] c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917. d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)). as a \_ large entity \_ small entity, including any required multiple dependent 4. Additional claim fees of \$\_ claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due (37 CFR 1.492(g)). See attached PTO-875. 5. [78] Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached PCT/DO/EO/920. ALL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 22 OR 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT. The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a). 6. If box 3a or 3c is checked, a translation of the Annexes MUST be submitted no later than the time period set above or the Annexes will be cancelled. A processing fee will be required if submitted later than 20 or 30 months from the priority date. 7. The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.494(d)) or 30 (37 CFR 1.495(d)) months from the priority date. Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)

A copy of this notice MUST be returned with this response.

A copy oj ini	S notice most be re	
PCT/DO/EO/917	Notice of Defective  X  PCT/DO/EO/920	

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U.S. APPLICATION NO.		FIRST NAMED APPLICANT		ATTY. DOCKET NO.	
09/8315	577	DEFEZ	R 6242		
			INTERNATIONAL APPLICATION NO.		
SAMUELS GAUTH 225 FRANKLIN ST			PCT/II	r99/00355	
OSTON, MA 02110			I.A. FILING DATE	PRIORITY DATE	
			08 NOV 99	09 NOV 98	
		) MPLY WITH REQUIREMENTS	FOR PATENT		
CONTAIN	IING NUC	LEOTIDE SEQUENCE AND/OR DISCLOSURES	AMINO ACID S	SEQUENCE	
america. The iter efficiency noted be have and the nucleotide and	ms indicate elow and a d/or amino	ers under 35 U.S.C. 371 to enter the d below, however, are missing. The void abandonment is set forth in the acid sequence disclosure contained the a disclosure as set forth in 37 CFI	e period within ware accompanying Notice in this application	hich to correct the otification.  does not comply	
This ap disclos A copy require A copy content	oplication d sure on pape of the "Se d by 37 CF of the "Se of the com	ails to comply with the requirements loes not contain, a "Sequence Listing er copy or compact disc, as required equence Listing" in computer readable R 1.821(e).  Equence Listing in computer readable puter readable form, however, does Nor 1.832, as indicated on the attact	g" as a separate part of the second of the s	art of the 1(c). been submitted as submitted. The the requirements o	
Sequence The co	ce Listing.' mputer rea ed and/or u ute comput		his application ha ed CRF Diskette l as required by 37	s been found to be Problem Report. A CFR 1.825(d).	

FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL:

A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR

(703) 308-4216, for Rules interpretation,

(703) 308-4212, for CRF submission help,

(703) 287-0200, for Patentin software help.

amendment directing its entry into the specification.

1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).

Pat Booker, Paralegal Telephone: (703)305-3738

United States Patent and Trademark Office

Commissioner for Patents, Box PCT United States Patent and Trademark Office Washington, D.C. 2021 www.usplo.gov

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U.S. APPLICATION NO.			FIRST NAMED APPLICANT		ATTY, DOCI	KET NO.
09/83157	7		DEFEZ	R	624	
					ATIONAL APPLICATION	
SAMUELS GAUTH				P	CT/IT99/00355	
225 FRANKLIN ST BOSTON, MA 021		E 3300		I.A. FILING I	DATE PRIC	DRITY DATE
				08 NOV	99 09	NOV 98
				j	10	JUN 2001
				DATE M.		
NOTIFICATIO			IREMENTS UND			JNITED
1 The following item			ED/ELECTED OF applicant or the IB to the			:
Office as	a Designated (	Office (37 CFR 1	.494) 📭 an Elected O	ffice (37 CFR 1.495	5):	
	ic National Fe		Indication of Small Translation of the i		tion into English	
	he internation Declaration of	al application.	Translation of the i			
<u></u>	Article 19 ame		Other:		J	
	Document.		_	1		
The Inter	national Prelim	ninary Examination	on Report in English and nal Preliminary Examina	its Annexes, it any tion Report into En	/. glish.	
2. Applicant has re	equested early	processing under	35 U.S.C. 371(f) but h National Fee and the co	as not filed the follo	wing indicated it	ems and/or
prior to 20 or 30 mon	paragraph 3 0 ths from the p	riority date to avo	oid abandonment.	py of the internation	ат аррисанов вис	ist oc med
	ic National Fe		Copy of the interna	tional application.		
		urnished within tl	he period set forth below	in order to comple	te the requiremen	its for
acceptance under 35 U	J.S.C. 371: ation of the ar	nolication into En	glish. A processing fee	will be required if s	ubmitted-	
late	r than the app	ropriate 20 or 30	months from the priority	date.		
		ation is defective	for the reasons indicate	on the attached No	otice of Defective	;
b. Proces			lation of the application		later than the	
app	ropriate 20 or	30 months from	the priority date (37 CF) in compliance with 37 C	R 1.492(f)). FR 1.497(a) and (b)	) properly identif	fving
the	application (p	referably by the I	nternational application	number and internat	tional filing date).	. A
surc	charge will be	required if submi	itted later than the appro	priate 20 or 30 mor	iths from the prio	rity
date The	current oath	or declaration doe	es not comply with 37 C	FR 1.497(a) and (b)	) for the reasons	
indi	cated on the a	ttached PCT/DO	/EO/917. leclaration later than the	appropriate 20 or 3	Ω months from th	ne
		CFR 1.492(e)).				
4. Additional claim f	ees of \$	as a $\square$	large entity small en	tity, including any	required multiple	dependent
claim fee, are require due (37 CFR 1.492(g	<ul><li>d. Applicant</li><li>)). See attach</li></ul>	must submit the a ed PTO-875.	additional claim fees or o	ancel the additional	claims for which	i iees are
			ence listing pursuant to 3	17 CER 1 821-1 825	See attached	
PCT/DO/EO/920.	iot submitted i	ne required seque	ence fishing pursuant to .	77 CI K 1.021-1.02.	,. Dec atmoned	
	C CET FAD	TU IN 2(a) 2(d)	4 AND 5 ABOVE MU	ST RE SURMITT	ED WITHIN TV	VO (2)
MONTHS FROM T	HE DATE O	F THIS NOTICI	F OR BY 22 OR 32 M	ONTHS (where 37	CFR 1.495 appl	ies) frum
THE PRIORITY DA	TE FOR TH	IE APPLICATIO	ON, WHICHEVER IS	LATER. FAILUR	E TO PROPER	LY
				etancian of time und	lar the provisions	of 37 CER
The time period set a 1.136(a).	bove may be o	extended by filing	a petition and fee for ex	dension of this and	ici tiic provisions	O. J. CIK
	territoria a succ	malation of the A	nnexes MUST be submi	rted no later than the	e time neriod set	above or the
4	alled A proc	accing foo will be	required if submitted la	ter than 20 or 30 m	onths from the pr	riority date.
7. The Article 19	amendments.	are cancelled sinc	e a translation was not p	provided by the appi	ropriate 20 (37 C.	FR 1.494(d))
or 30 (37 CFR 1.495						
Applicant is reminded address given in the l	d that any conneading and in	munication to the clude the U.S. ap	e United States Patent ar oplication no. shown abo	d Trademark Office ve. (37 CFR 1.5)	e must be mailed	to the
	A copy of	f this notice .	MUST be returns	ed vith this re.	sponse.	
Enclosed: PCT/I	OO/EO/917	Not	ice of Defective Transla I/DO/EO/920	tion		
E PTO-8	5/3	X PC	ITDUTEUTYZU	Pat Booker,Para	ilegal	
FORM PCT/DO/EO	/905 (March 2	2001)	Telepl	none: (703)305-37	738	

Commissioner for Patents, Box PCT United States Patent and Trademark Office Washington, D.C. 20231

U.S. APPLICATION NO.	FIRST NAMED APPLICAN	FIRST NAMED APPLICANT ATTY. DOCKET NO.		
09/831577	DEFEZ	R	6242	
		INTERNATIONAL APPLICATION NO. PCT/IT99/00355		
SAMUELS GAUTHIER & STEVENS 225 FRANKLIN STREET SUITE 330				
BOSTON, MA 02110		I.A. FILING DATE	PRIORITY DATE	
		08 NOV 99	09 NOV 98	
		DATE MAILED:	1802	

## NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification.

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):

The application fails to comply with the requirements of 37 CFR 1.821-1.825.  This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c).
A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e).
A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."
The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).  The paper copy or compact disc of the "Sequence Listing" is not the same as the
computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).  Other:
APPLICANT MUST PROVIDE:
An initial or substitute computer readable form (CRF) of the "Sequence Listing."  An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.  A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).
FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE CALL:  (703) 308-4216, for Rules interpretation,  (703) 308-4212, for CRF submission help,  (703) 287-0200, for PatentIn software help.

Pat Booker, Paralegal

Telephone: (703)305-3738